

MANITOBA VITAL STATISTICS
A REGIONAL ANALYSIS
1999

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Manitoba
Bureau of
Statistics



EXECUTIVE SUMMARY

LIVE BIRTHS

There were 14,191 live births in Manitoba during 1999. Of these, 9,884 (69.6) occurred in Winnipeg. The Winnipeg region had the highest birth rate with 16.4 births per thousand population, followed by the North with a birth rate of 8.8. The lowest birth rates were in the Southeast and Interlake regions, with rates of 4.0 and 4.2 respectively. For Manitoba, the birth rate was 12.0 births per thousand population.

There were 6,834 (48.2%) female births and 7,357 (51.8%) male births. For every thousand females in the population there were 11.5 female births, compared to 12.6 male births for every thousand males in the population. The Interlake and Parklands were the only two regions that recorded a higher number of female births than male births.

DEATHS

There were 9,781 deaths in Manitoba during 1999. There were 5,756 (58.8%) in Winnipeg alone. The regions with the highest death rates were the Southwest and Winnipeg regions with 11.1 and 9.5 deaths per thousand population. The North region had the lowest death rate with 2.8, followed by the Southeast with a rate of 5.4. The death rate for Manitoba was 8.3.

There were 4,752 (48.6%) female deaths, compared to 5,029 (51.4%) male deaths. The male death rate was higher than the female death rate in seven of Manitoba's eight Economic Regions. At the Manitoba level, the male death rate was 8.6, while the female death rate was 8.0.

STILLBIRTHS

The number of stillbirths in Manitoba in 1999 was 115. Of these stillbirths, 88 (76.5%) occurred in Winnipeg. The North had the second highest number with 9 (7.8%) stillbirths, followed by the Southwest region with 6 stillbirths (5.2%) and the South Central region with 4 stillbirths (3.5%). The Parklands reported 3 stillbirths, Southeast and Interlake 2 stillbirths, while the North Central region reported 1 stillbirth during 1999.

The rate of female stillbirth was 6.3 per thousand female live births and the rate of male stillbirth was 9.4 per thousand male live births.

NATURAL INCREASE

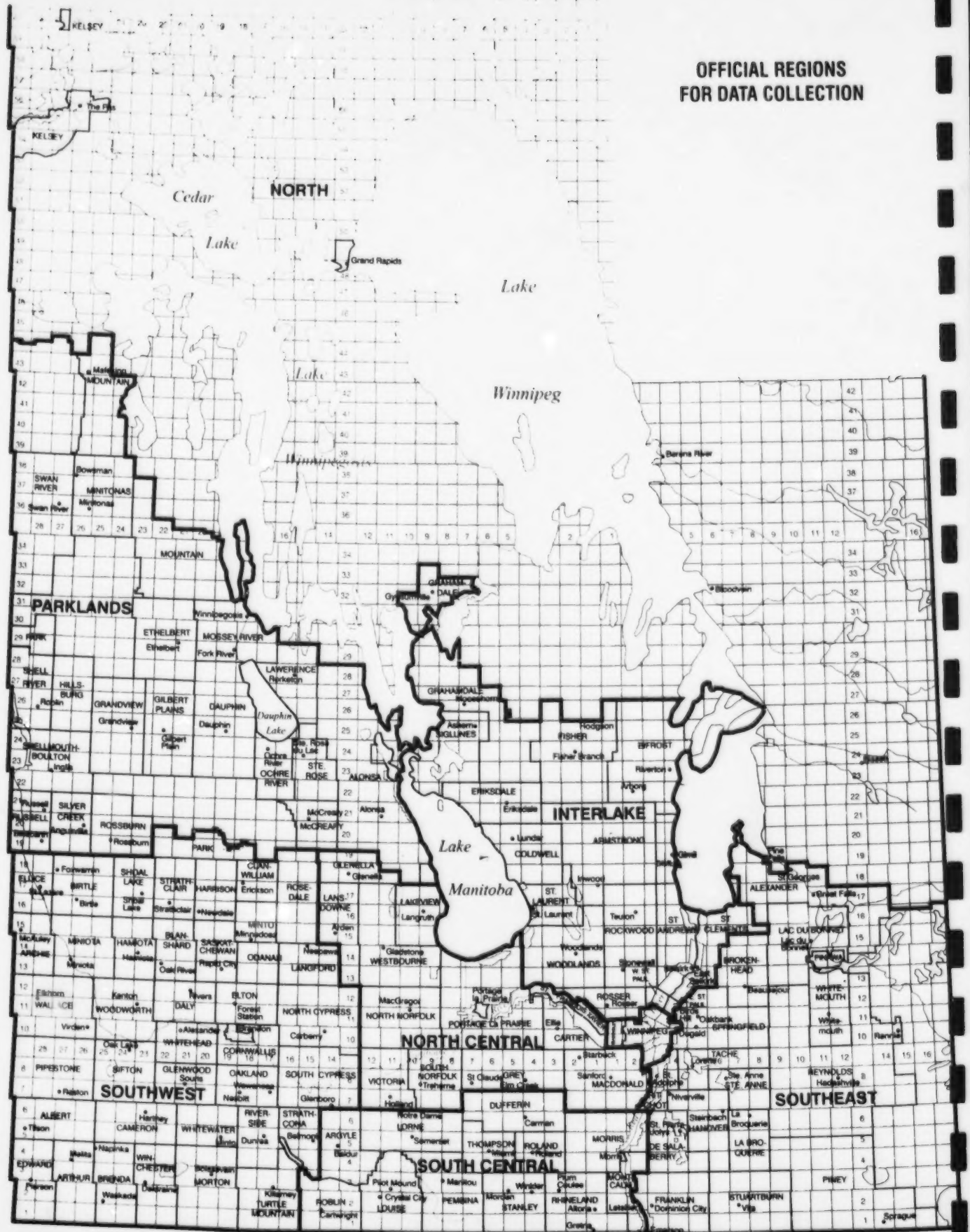
In 1999, Manitoba had a net population gain of 4,410 persons due to natural increase. Manitoba's rate of natural increase in 1999 was 3.7 persons per thousand population. The Interlake region had the largest rate of natural decrease of 3.2 persons per thousand. Three other regions recorded a small net loss during 1999. The Winnipeg region had the greatest rate of natural increase, that being 6.8, followed by the North with a rate of 6.0 per thousand.

Rates at the Manitoba level were 3.5 females per thousand and 4.0 males per thousand. Rates in Winnipeg were 6.1 females per thousand and 7.6 males per thousand.

CONTENTS

	<u>Page</u>
Executive Summary	1
Introduction	5
Regional Overview	7
Weight-Specific Births and Stillbirths	10
Age-Specific Deaths	12
Infant Deaths	14
Infant Deaths by Type and Economic Region	16
Cause of Death	18
 APPENDIX A: Births by Weight, Sex and Economic Region	 21
APPENDIX B: Stillbirths by Weight, Sex and Economic Region	25
APPENDIX C: Deaths by Age, Sex and Economic Region	29
APPENDIX D: Infant Deaths by Age, Sex and Economic Region	33

OFFICIAL REGIONS FOR DATA COLLECTION



INTRODUCTION

This report presents data on the vital statistics (births, deaths, and stillbirths) occurring during 1999 in the province of Manitoba. Historical data from 1984 to 1998 is available in previous Manitoba Bureau of Statistics reports. The charts and tables in this report were constructed using data that was reported by the Vital Statistics Agency, Manitoba Consumer and Corporate Affairs.

This data refers to events that occurred in Manitoba and involved Manitobans by place of occurrence. Where all characteristics of an event have not been recorded, the vital event has been omitted from that statistical table.

The population figures used are from the Statistics Canada July 1, 1999 postcensal estimates of population. Where population estimates are not available, population projections from the Manitoba Bureau of Statistics have been used to derive the approximate distribution of the population by age and sex. The Statistics Canada estimate was then broken down according to this distribution.

Manitoba is divided into 8 Official Regions for Data Collection (also known as Economic Regions). The following table illustrates the association between data collection region, economic region, and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	10	1, 2, 12
South Central	20	3, 4
Southwest	30	5, 6, 7, 15
North Central	40	8, 9, 10
Winnipeg	50	11
Interlake	60	13, 14, 18
Parklands	70	16, 17, 20
North	80	19, 21, 22, 23

The map on the opposite page also illustrates these relationships.

Further information and custom tabulations on the 1999 vital statistics can be obtained from the Manitoba Bureau of Statistics by contacting David Greenwood at (204) 945-2989.

TABLE VIII presents Manitoba deaths during 1999 by cause of death. The causes of death are coded according to the "Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death", based on the Ninth Revision Conference, 1975.

The following lists the major causes of death and their three digit codes:

Infectious and Parasitic Diseases (001 - 139)

Cancer (140 - 208)

Diabetes (250)

Psychoses (290 - 299)

Hereditary and Degenerative Central Nervous System (330 - 337)

Hypertensive Disease (401 - 405)

Heart Disease (410 - 429)

Cerebrovascular Disease (430 - 438)

Diseases of Arteries, Arterioles, Capillaries (440 - 448)

Pneumonia (480 - 486)

Chronic Obstructive Pulmonary Disease (490 - 496)

Other Respiratory Diseases (510 - 519)

Diseases of Oesophagus, Stomach and Duodenum (530 - 537)

Other Intestinal and Peritoneum Diseases (560 - 569)

Other Diseases of the Digestive System (570 - 579)

Nephritis, Nephrotic Syndrome, Nephrosis (580 - 589)

Other Genitourinary (590 - 629)

Congenital Anomalies (740 - 759)

Ill-Defined and Unknown Causes (797 - 799)

Accidents (800 - 949)

Other Causes (210 - 246, 251 - 289, 300 - 326, 340 - 398, 451 - 478, 487, 500 - 508,
520 - 529, 540 - 558, 560 - 569, 630 - 739, 760 - 796, 950 - 999)

TABLE I MANITOBA 1999 VITAL STATISTICS BY ECONOMIC REGION

REGION	POPULATION IN 000'S (JULY 1/99)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	87.2	350	2	473	-123	4.0	5.7	5.4	-1.4
SOUTH CENTRAL	52.7	568	4	470	98	10.8	7.0	8.9	1.9
SOUTHWEST	106.5	1,209	6	1,180	29	11.4	5.0	11.1	0.3
NORTH CENTRAL	48.6	339	1	353	-14	7.0	2.9	7.3	-0.3
WINNIPEG	604.4	9,884	88	5,756	4,128	16.4	8.9	9.5	6.8
INTERLAKE	83.8	353	2	624	-271	4.2	5.7	7.5	-3.2
PARKLANDS	78.8	472	3	604	-132	6.0	6.4	7.7	-1.7
NORTH	116.0	1,016	9	321	695	8.8	8.9	2.8	6.0
MANITOBA	1,177.9	14,191	115	9,781	4,410	12.0	8.1	8.3	3.7

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPULATION.
RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
STATISTICS CANADA

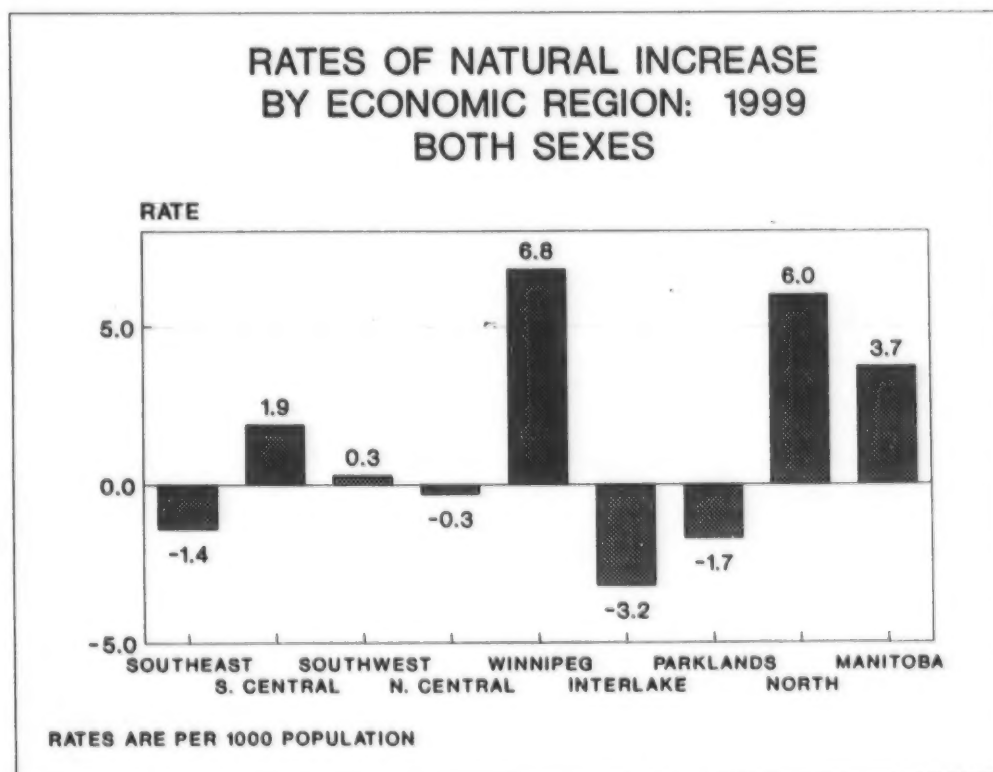


TABLE II MANITOBA 1999 VITAL STATISTICS BY ECONOMIC REGION

FEMALES

REGION	POPULATION IN 000'S (JULY 1/99)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	42.8	172	0	220	-48	4.0	0.0	5.1	-1.1
SOUTH CENTRAL	26.2	245	1	228	17	9.4	4.1	8.7	0.7
SOUTHWEST	54.0	603	1	583	20	11.2	1.7	10.8	0.4
NORTH CENTRAL	24.0	166	1	176	-10	6.9	6.0	7.3	-0.4
WINNIPEG	310.2	4,750	35	2,854	1,896	15.3	7.4	9.2	6.1
INTERLAKE	40.8	193	0	289	-96	4.7	0.0	7.1	-2.4
PARKLANDS	38.7	238	1	277	-39	6.2	4.2	7.2	-1.0
NORTH	56.0	467	4	125	342	8.3	8.6	2.2	6.1
MANITOBA	592.7	6,834	43	4,752	2,082	11.5	6.3	8.0	3.5

TABLE III MANITOBA 1999 VITAL STATISTICS BY ECONOMIC REGION

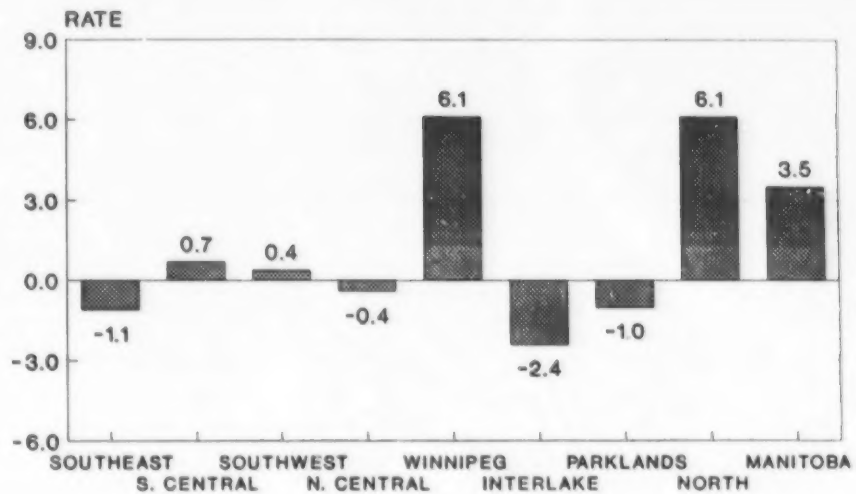
MALES

REGION	POPULATION IN 000'S (JULY 1/99)	LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE	RATES			
						LIVE BIRTHS	STILL BIRTHS	DEATHS	NATURAL INCREASE
SOUTHEAST	44.4	178	2	253	-75	4.0	11.2	5.7	-1.7
SOUTH CENTRAL	26.5	323	3	242	81	12.2	9.3	9.1	3.1
SOUTHWEST	52.5	606	5	597	9	11.6	8.3	11.4	0.2
NORTH CENTRAL	24.6	173	0	177	-4	7.0	0.0	7.2	-0.2
WINNIPEG	294.2	5,134	50	2,902	2,232	17.5	9.7	9.9	7.6
INTERLAKE	42.9	160	2	335	-175	3.7	12.5	7.8	-4.1
PARKLANDS	40.1	234	2	327	-93	5.8	8.5	8.2	-2.3
NORTH	60.0	549	5	196	353	9.1	9.1	3.3	5.9
MANITOBA	585.2	7,357	69	5,029	2,328	12.6	9.4	8.6	4.0

NOTE: RATES FOR LIVE BIRTHS, DEATHS, AND NATURAL INCREASE ARE PER 1000 POPULATION.
 RATE FOR STILLBIRTHS IS PER 1000 LIVE BIRTHS.
 THREE WINNIPEG STILLBIRTHS NOT CODED TO SEX.

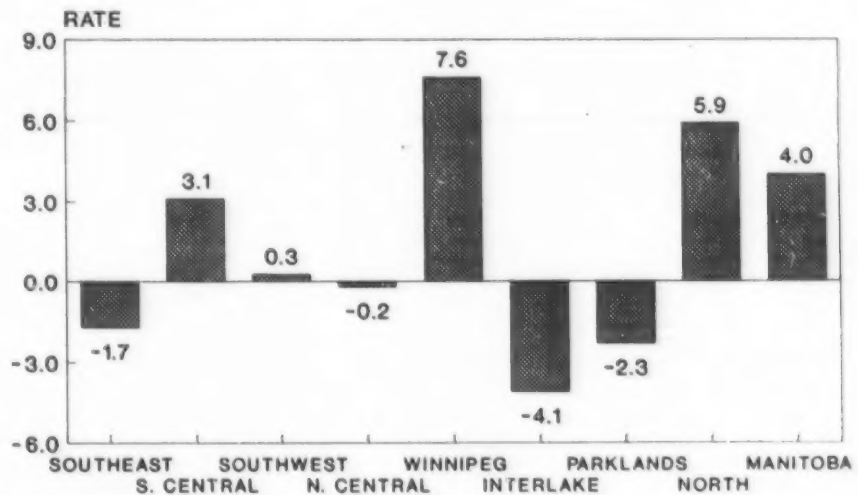
DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
 STATISTICS CANADA

RATES OF NATURAL INCREASE BY REGION: 1999 FEMALE



RATES ARE PER 1000 POPULATION

RATES OF NATURAL INCREASE BY REGION: 1999 MALE



RATES ARE PER 1000 POPULATION

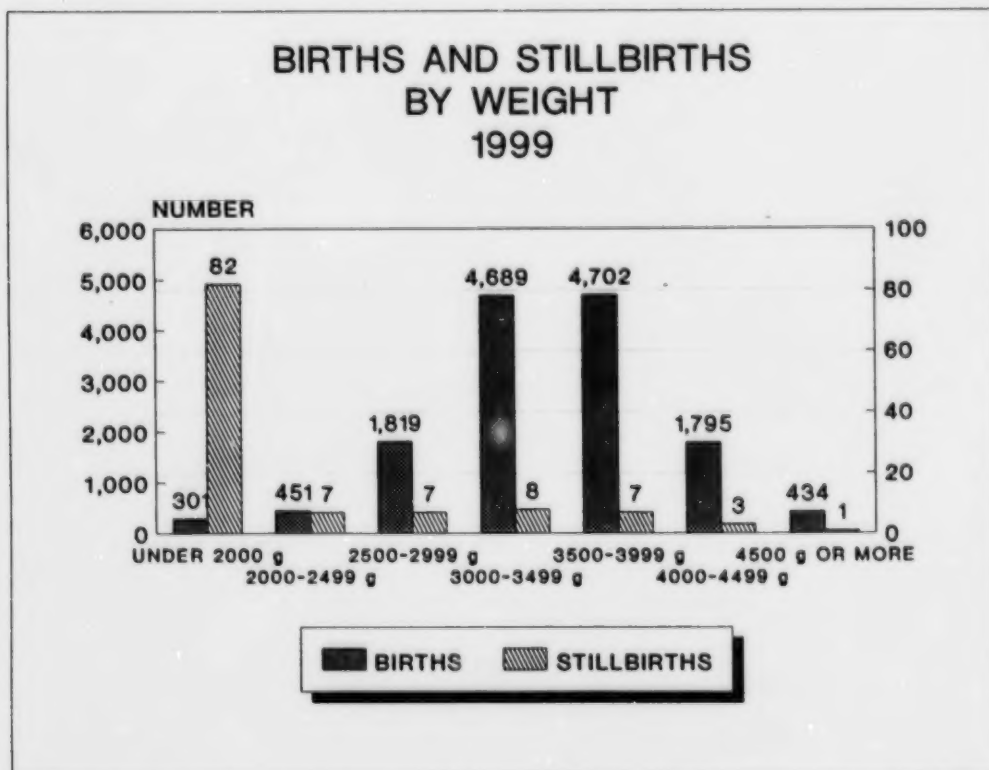
TABLE IV MANITOBA 1999 BIRTHS AND STILLBIRTHS BY WEIGHT

WEIGHT	BOTH SEXES			FEMALES			MALES		
	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE	LIVE BIRTHS	STILL BIRTHS	STILL BIRTH RATE
UNDER 500G	31	40	1,290.3	14	17	1,214.3	17	21	1,235.3
500 - 999G	53	27	509.4	20	10	500.0	33	16	484.8
1000-1499G	61	7	114.8	28	4	142.9	33	3	90.9
1500-1999G	156	8	51.3	84	1	11.9	72	7	97.2
2000-2499G	451	7	15.5	220	2	9.1	231	5	21.6
2500-2999G	1,819	7	3.8	1,008	3	3.0	811	4	4.9
3000-3499G	4,689	8	1.7	2,447	2	0.8	2,242	6	2.7
3500-3999G	4,702	7	1.5	2,161	3	1.4	2,541	4	1.6
4000-4499G	1,795	3	1.7	704	1	1.4	1,091	2	1.8
4500-4999G	385	1	2.6	131	0	0.0	254	1	3.9
5000-5499G	41	0	0.0	13	0	0.0	28	0	0.0
5500-5999G	6	0	0.0	2	0	0.0	4	0	0.0
6000-6499G	2	0	0.0	2	0	0.0	0	0	n/a
OVER 6500G	0	0	n/a	0	0	n/a	0	0	n/a
UNKNOWN	0	0	n/a	0	0	n/a	0	0	n/a
TOTALS	14,191	115	8.1	6,834	43	6.3	7,357	69	9.4

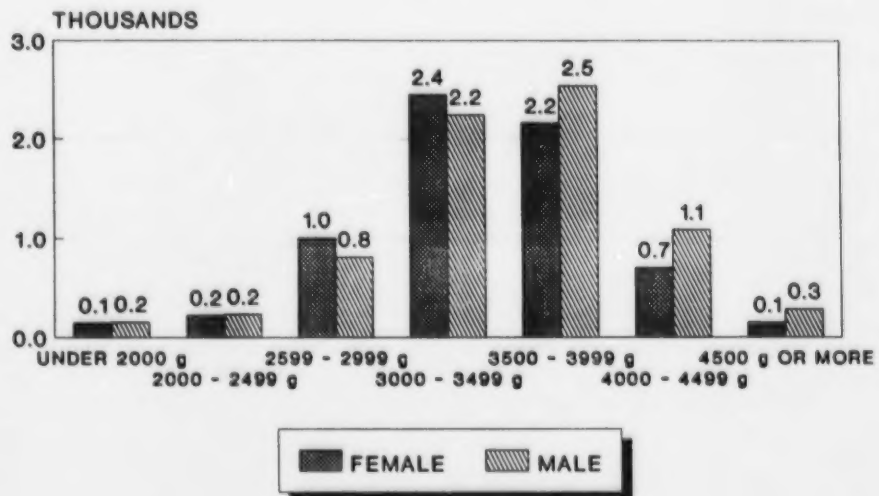
NOTE: STILLBIRTH RATE IS PER 1000 LIVE BIRTHS.

TWO UNDER 500G, ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS



MANITOBA LIVE BIRTHS BY WEIGHT AND SEX 1999



MANITOBA STILLBIRTHS BY WEIGHT AND SEX 1999

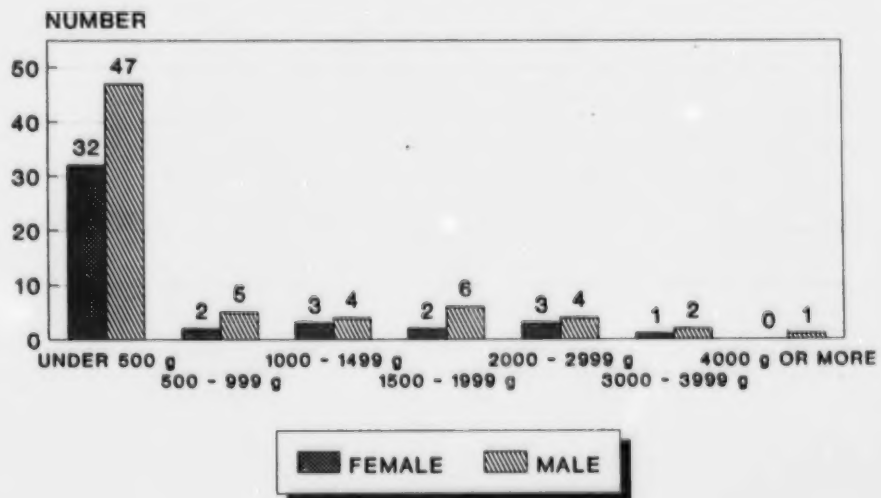
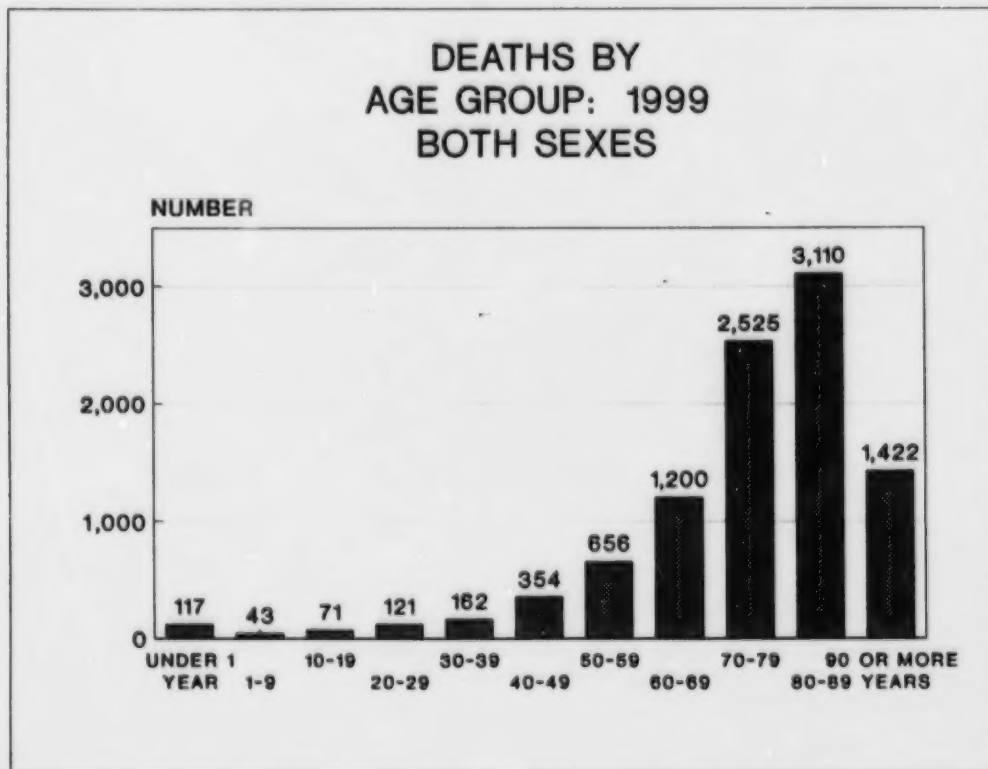


TABLE V MANITOBA 1999 DEATHS BY AGE GROUP AND SEX

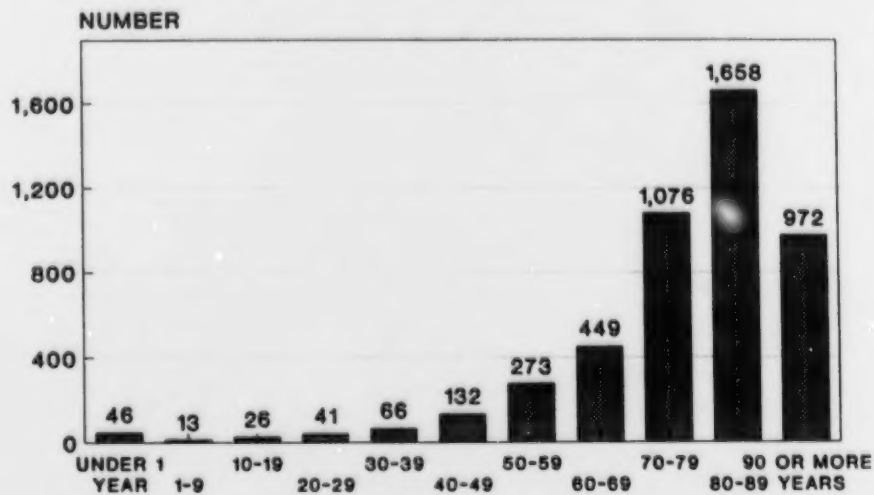
AGE IN YEARS	BOTH SEXES			FEMALES			MALES		
	POPULATION IN 000'S JULY 1/99	DEATHS	DEATH RATE	POPULATION IN 000'S JULY 1/99	DEATHS	DEATH RATE	POPULATION IN 000'S JULY 1/99	DEATHS	DEATH RATE
UNDER 1	14.3	117	8.2	7.0	46	6.6	7.4	71	9.6
1 - 4	95.7	26	0.3	46.5	7	0.2	49.2	19	0.4
5 - 9	83.5	17	0.2	40.7	6	0.1	42.9	11	0.3
10-14	82.8	15	0.2	40.2	6	0.1	42.6	9	0.2
15-19	80.0	56	0.7	39.0	20	0.5	41.1	36	0.9
20-24	78.3	63	0.8	38.4	20	0.5	40.0	43	1.1
25-29	79.3	58	0.7	38.5	21	0.5	40.8	37	0.9
30-34	80.5	63	0.8	39.4	21	0.5	41.1	42	1.0
35-39	93.8	99	1.1	46.1	45	1.0	47.8	54	1.1
40-44	89.2	154	1.7	44.4	59	1.3	44.7	95	2.1
45-49	79.6	200	2.5	39.9	73	1.8	39.7	127	3.2
50-54	68.7	307	4.5	34.3	137	4.0	34.4	170	4.9
55-59	52.5	349	6.7	26.4	136	5.2	26.1	213	8.2
60-64	44.0	450	10.2	22.3	179	8.0	21.7	271	12.5
65-69	41.4	750	18.1	21.5	270	12.6	19.9	480	24.1
70-74	38.3	1,048	27.4	21.0	413	19.7	17.3	635	36.7
75-79	33.6	1,477	44.0	19.8	663	33.5	13.8	814	58.9
80-84	22.3	1,538	69.0	13.8	788	57.0	8.5	750	88.5
85-89	13.4	1,572	117.6	8.9	870	98.1	4.5	702	156.2
90 & OVER	6.6	1,422	214.6	4.7	972	206.6	1.9	450	234.3
TOTALS	1,177.9	9,781	8.3	592.7	4,752	8.0	585.2	5,029	8.6

NOTE: DEATH RATE IS DEATHS PER 1000 POPULATION.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
STATISTICS CANADA



DEATHS BY AGE GROUP: 1999 FEMALES



DEATHS BY AGE GROUP: 1999 MALES

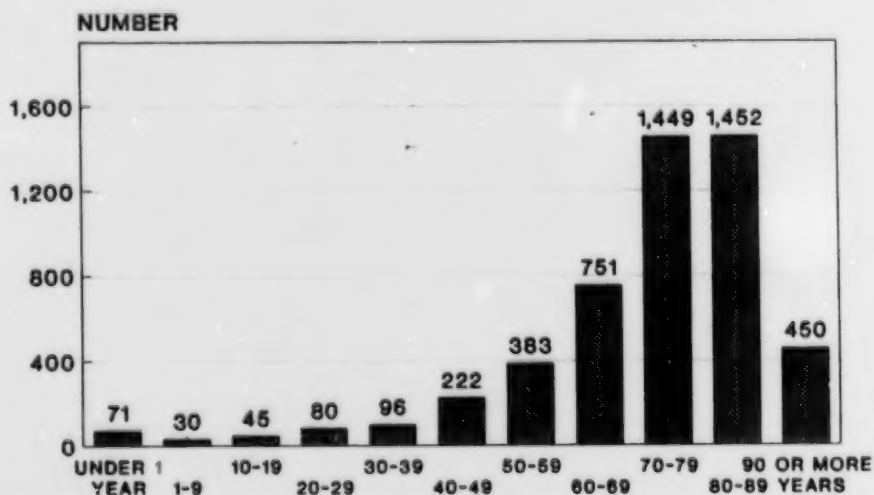
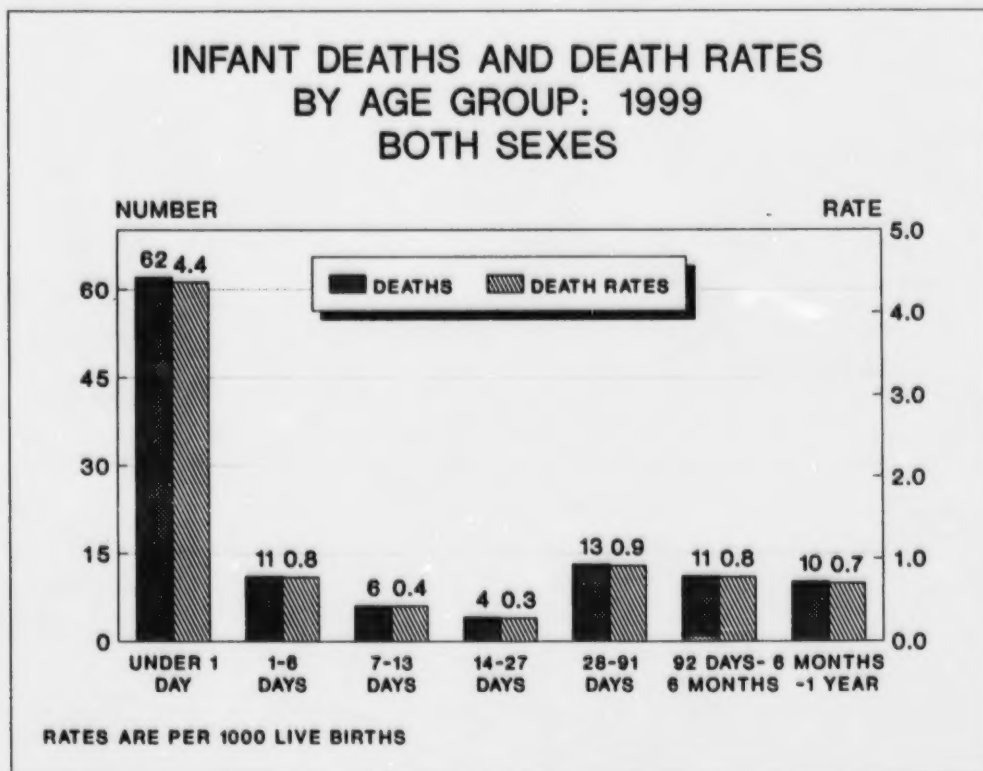


TABLE VI MANITOBA 1999 INFANT DEATHS BY AGE

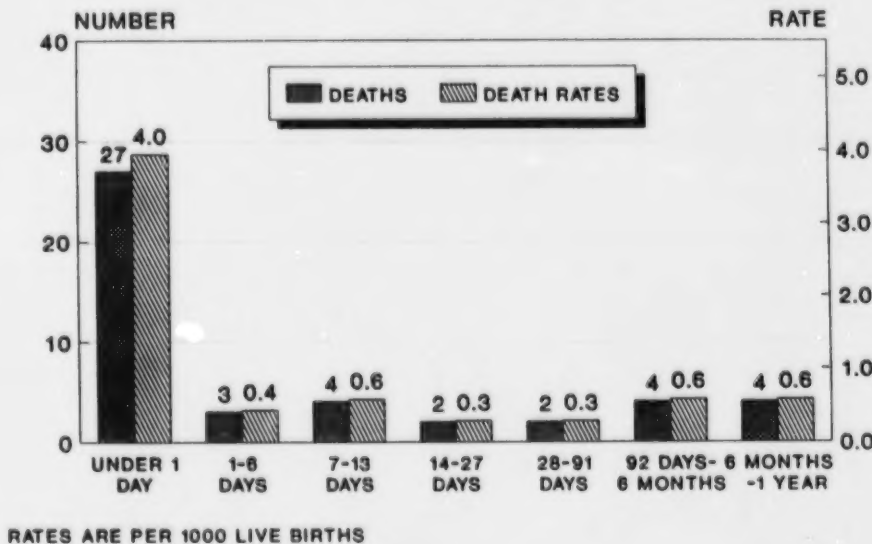
AGE	BOTH SEXES		FEMALES		MALES	
	DEATHS	DEATH RATE	DEATHS	DEATH RATE	DEATHS	DEATH RATE
UNDER 1 DAY	62	4.4	27	4.0	35	4.8
1 - 6 DAYS	11	0.8	3	0.4	8	1.1
7 - 13 DAYS	6	0.4	4	0.6	2	0.3
14 - 27 DAYS	4	0.3	2	0.3	2	0.3
28 - 91 DAYS	13	0.9	2	0.3	11	1.5
92 DAYS - 6 MONTHS	11	0.8	4	0.6	7	1.0
6 MONTHS - 1 YEAR	10	0.7	4	0.6	6	0.8
NEONATAL	83	5.8	36	5.3	47	6.4
POST-NEONATAL	34	2.4	10	1.5	24	3.3
INFANT	117	8.2	46	6.7	71	9.7
PERINATAL	188	13.1	73	10.6	112	15.1

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.
 PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.
 NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
 POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
 PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.
 THREE STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS



INFANT DEATHS AND DEATH RATES BY AGE GROUP: 1999 FEMALES



INFANT DEATHS AND DEATH RATES BY AGE GROUP: 1999 MALES

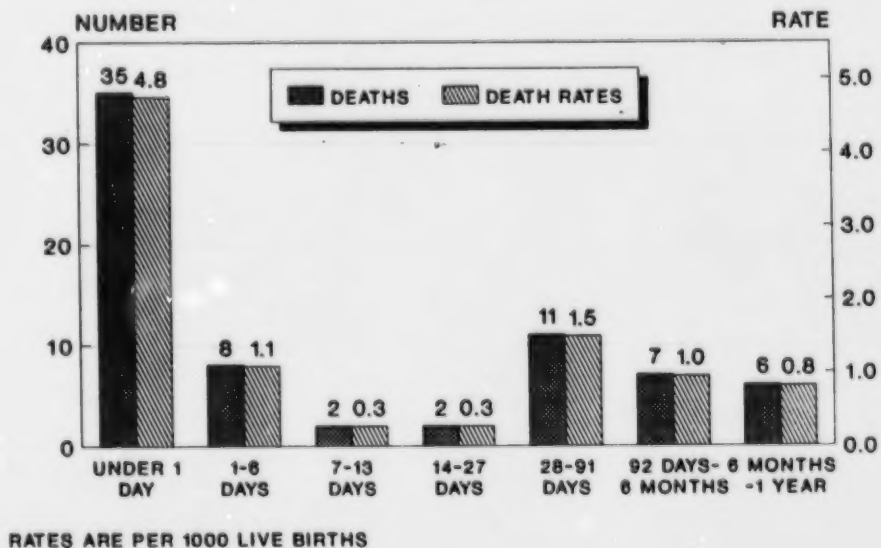


TABLE VII

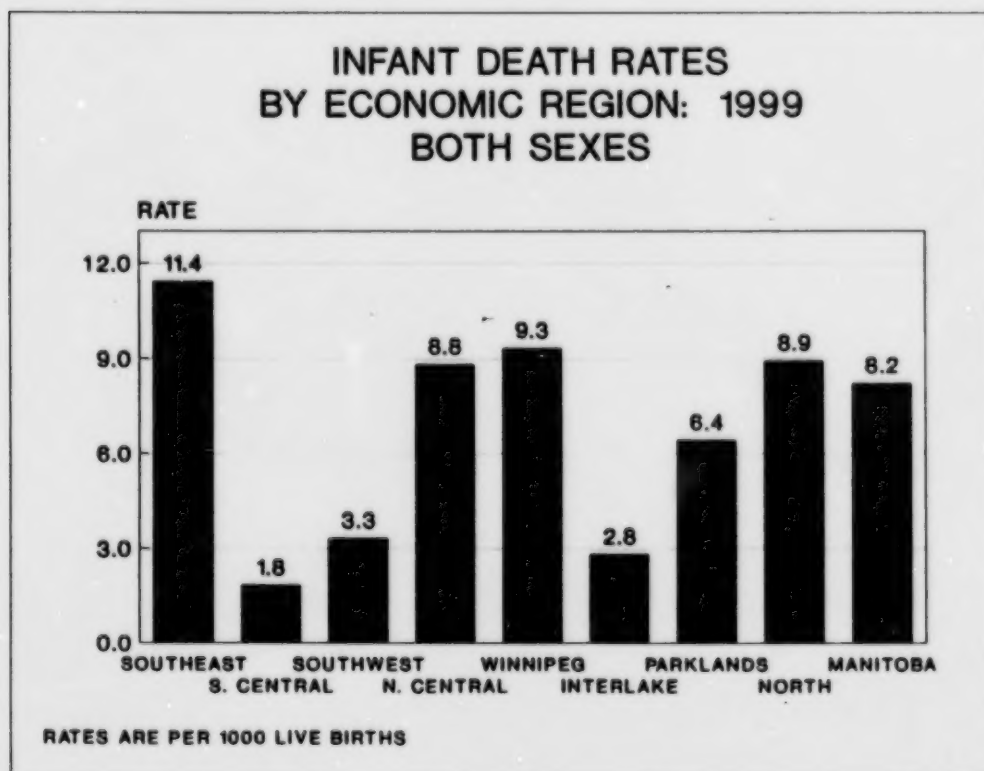
MANITOBA 1999 INFANT DEATHS BY TYPE AND ECONOMIC REGION

BOTH SEXES

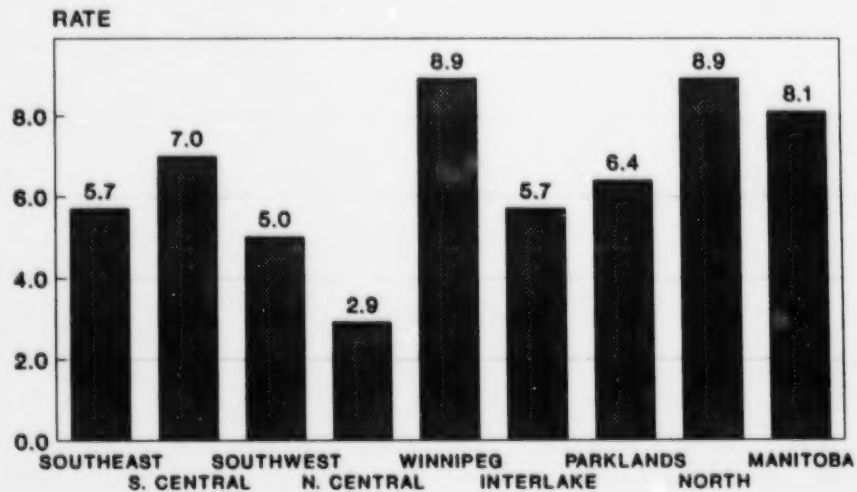
	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH MANITOBA	
TYPE									
INFANT	4	1	4	3	92	1	3	9	117
NEONATAL	3	0	3	2	71	0	2	2	83
POST-NEONATAL	1	1	1	1	21	1	1	7	34
STILLBIRTHS	2	4	6	1	88	2	3	9	115
PERINATAL	5	4	9	2	151	2	5	10	188
RATE (per 1,000 live births)									
INFANT	11.4	1.8	3.3	8.8	9.3	2.8	6.4	8.9	8.2
STILLBIRTHS	5.7	7.0	5.0	2.9	8.9	5.7	6.4	8.9	8.1
PERINATAL (per 1,000 total births)	14.2	7.0	7.4	5.9	15.1	5.6	10.5	9.8	13.1

NOTE: INFANT DEATH (UNDER 1 YEAR) RATES ARE PER 1000 LIVE BIRTHS.
 PERINATAL DEATH RATES ARE PER 1000 TOTAL BIRTHS.
 NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
 POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
 PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

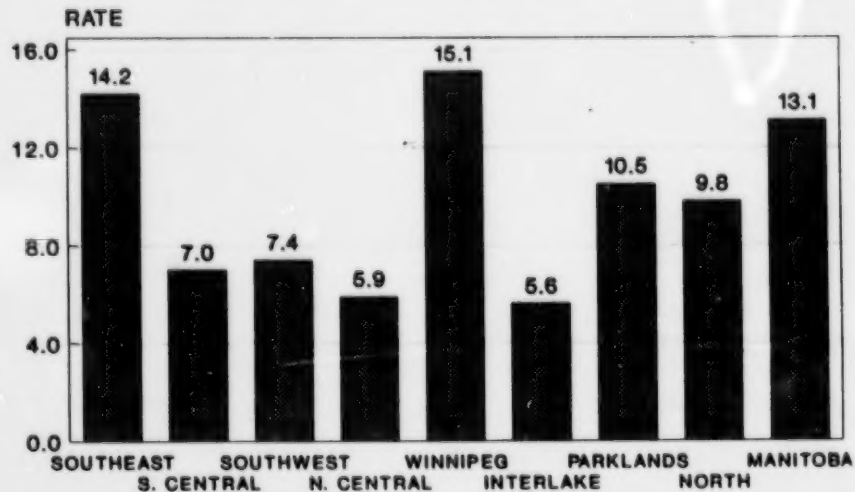


STILLBIRTH RATES BY ECONOMIC REGION: 1999 BOTH SEXES



RATES ARE PER 1000 LIVE BIRTHS

PERINATAL RATES BY ECONOMIC REGION: 1999 BOTH SEXES



RATES ARE PER 1000 TOTAL BIRTHS

TABLE VIII

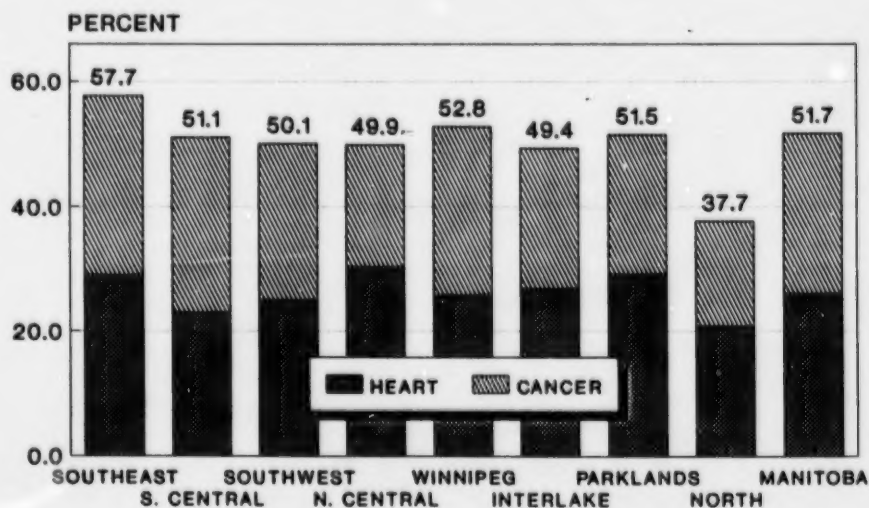
MANITOBA 1999 DEATHS BY CAUSE OF DEATH AND ECONOMIC REGION

BOTH SEXES

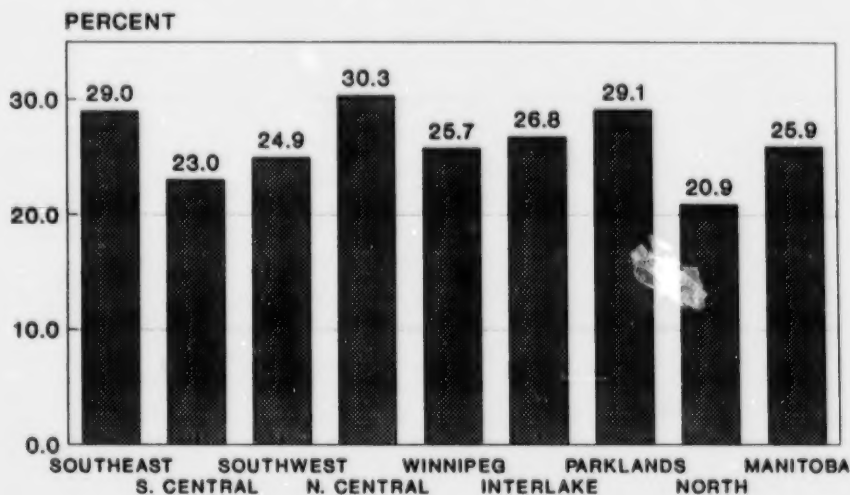
	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
HEART DISEASE	137	108	294	107	1,482	167	176	67	2,538
CANCER	136	132	297	69	1,559	141	135	54	2,523
CEREBROVASCULAR DISEASE	34	44	97	26	460	42	55	10	768
PNEUMONIA	12	28	83	14	247	53	35	13	485
ACCIDENTS	18	20	50	13	219	38	20	64	442
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	20	18	57	14	259	30	26	11	435
DIABETES	16	23	35	16	140	27	16	16	289
PSYCHOSES	9	6	35	3	138	9	18	1	219
DISEASES OF ARTERIES, ARTERIOLES, CAPILLARIES	5	5	33	4	108	17	16	2	190
HEREDITARY AND DEGENERATIVE CENTRAL NERVOUS SYSTEM	8	14	23	17	102	6	8	7	185
NEPHRITIS, NEPHROTIC SYNDROME, NEPHROSIS	13	12	19	5	89	15	24	6	183
OTHER DISEASES OF THE DIGESTIVE SYSTEM	8	5	11	10	115	5	8	4	166
OTHER RESPIRATORY DISEASES	2	6	16	3	63	7	5	1	103
INFECTIOUS AND PARASITIC DISEASES	4	2	8	1	57	6	4	1	83
HYPERTENSIVE DISEASE	2	8	5	0	43	4	5	7	74
OTHER INTESTINAL AND PERITONEUM	4	3	10	2	43	4	5	1	72
DISEASES OF OESOPHAGUS, STOMACH AND DUODENUM	1	0	11	1	43	2	2	0	60
OTHER GENITOURINARY	0	1	6	1	40	6	3	1	58
CONGENITAL ANOMALIES	1	0	4	1	47	0	2	0	55
ILL-DEFINED AND UNKNOWN CAUSES	13	10	23	8	50	15	9	16	144
OTHER CAUSES	30	25	63	38	452	30	32	39	709
TOTAL	473	470	1,180	353	5,756	624	604	321	9,781

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

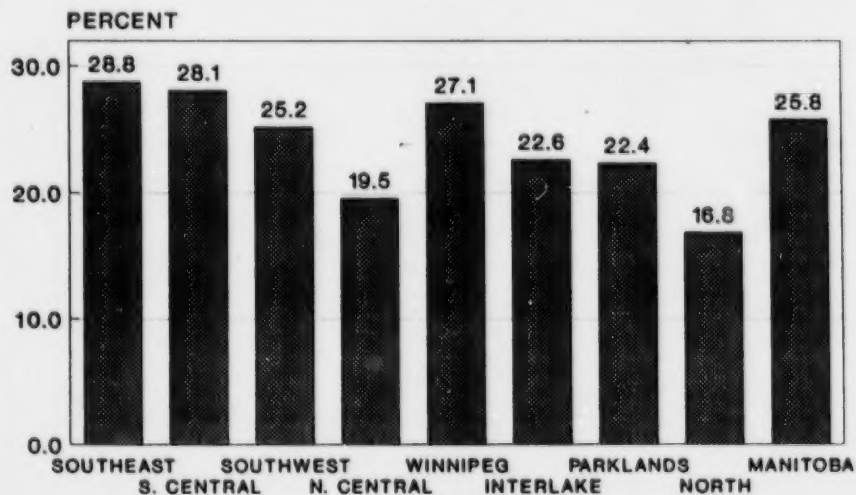
DEATHS DUE TO HEART DISEASE AND CANCER AS A PERCENT OF REGIONAL TOTAL: 1999 BOTH SEXES



**DEATHS DUE TO HEART DISEASE
AS A PERCENT OF REGIONAL TOTAL: 1999
BOTH SEXES**



**DEATHS DUE TO CANCER
AS A PERCENT OF REGIONAL TOTAL: 1999
BOTH SEXES**



APPENDIX A

BIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE A1

BIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	0	1	0	12	0	0	1	14
500- 999G	0	0	2	0	18	0	0	0	20
1000-1499G	0	0	0	0	27	0	1	0	28
1500-1999G	1	0	2	0	77	1	1	2	84
2000-2499G	0	5	10	1	191	3	4	6	220
2500-2999G	22	26	81	10	765	16	27	61	1,008
3000-3499G	65	92	229	74	1,696	66	79	146	2,447
3500-3999G	56	95	207	59	1,423	72	86	163	2,161
4000-4499G	23	26	60	20	446	30	29	70	704
4500-4999G	5	1	11	2	83	5	10	14	131
5000-5499G	0	0	0	0	9	0	1	3	13
5500-5999G	0	0	0	0	1	0	0	1	2
6000G OR MORE	0	0	0	0	2	0	0	0	2
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	172	245	603	166	4,750	193	238	467	6,834

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS

BIRTHS BY
ECONOMIC REGION: 1999
FEMALES

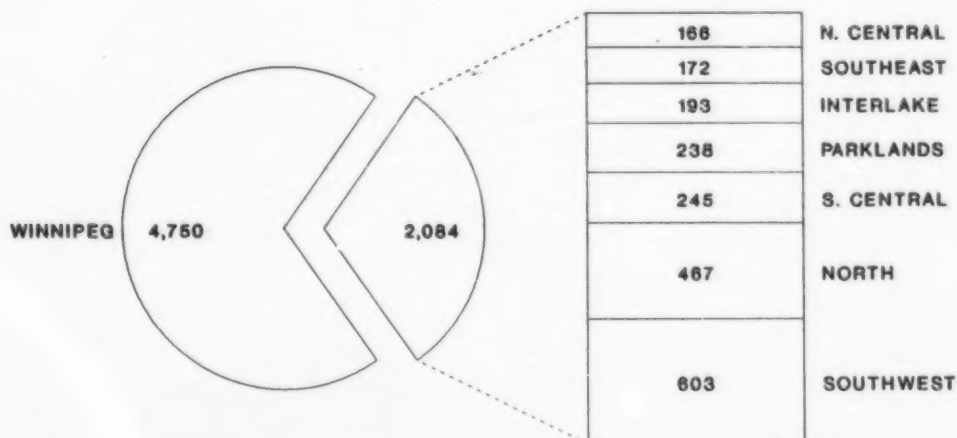


TABLE A2

BIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	0	0	0	17	0	0	0	17
500- 999G	1	0	1	1	27	0	2	1	33
1000-1499G	0	0	1	0	32	0	0	0	33
1500-1999G	1	0	5	0	64	0	0	2	72
2000-2499G	1	4	18	2	195	2	1	8	231
2500-2999G	11	14	59	14	636	17	12	48	811
3000-3499G	53	121	195	66	1,519	44	73	171	2,242
3500-3999G	73	115	218	60	1,723	70	96	186	2,541
4000-4499G	29	51	79	25	738	25	41	103	1,091
4500-4999G	7	15	26	4	167	2	6	27	254
5000-5499G	2	2	4	1	14	0	3	2	28
5500-5999G	0	1	0	0	2	0	0	1	4
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	178	323	606	173	5,134	160	234	549	7,357

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS

BIRTHS BY
ECONOMIC REGION: 1999
MALES

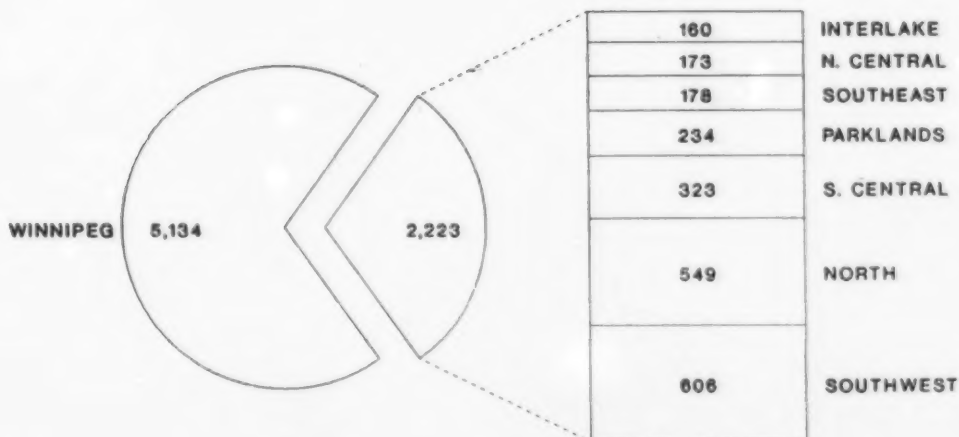


TABLE A3

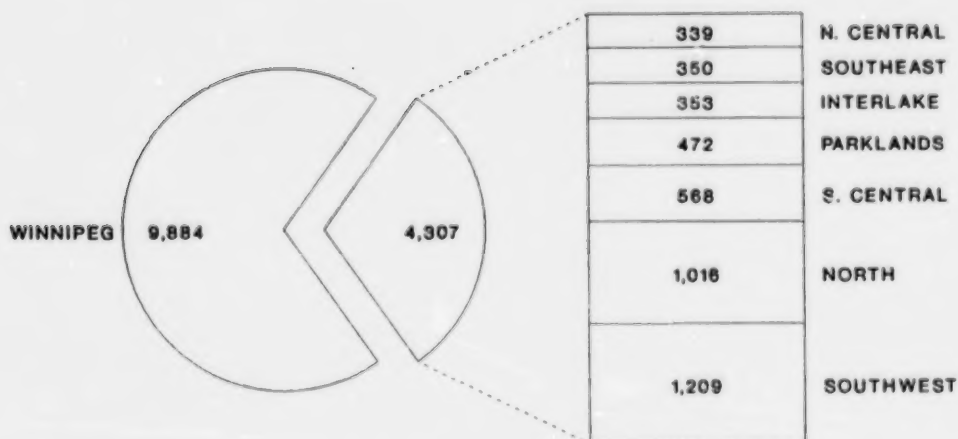
BIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	0	1	0	29	0	0	1	31
500- 999G	1	0	3	1	45	0	2	1	53
1000-1499G	0	0	1	0	59	0	1	0	61
1500-1999G	2	0	7	0	141	1	1	4	156
2000-2499G	1	9	28	3	386	5	5	14	451
2500-2999G	33	40	140	24	1,401	33	39	109	1,819
3000-3499G	118	213	424	140	3,215	110	152	317	4,689
3500-3999G	129	210	425	119	3,146	142	182	349	4,702
4000-4499G	52	77	139	45	1,184	55	70	173	1,795
4500-4999G	12	16	37	6	250	7	16	41	385
5000-5499G	2	2	4	1	23	0	4	5	41
5500-5999G	0	1	0	0	3	0	0	2	6
6000G OR MORE	0	0	0	0	2	0	0	0	2
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	350	568	1,209	339	9,884	353	472	1,016	14,191

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS

BIRTHS BY
ECONOMIC REGION: 1999
BOTH SEXES



APPENDIX B

STILLBIRTHS BY WEIGHT AND ECONOMIC REGION

TABLE B1

STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

FEMALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	0	0	0	0	16	0	1	0	17
500- 999G	0	1	1	0	8	0	0	0	10
1000-1499G	0	0	0	1	1	0	0	2	4
1500-1999G	0	0	0	0	1	0	0	0	1
2000-2499G	0	0	0	0	2	0	0	0	2
2500-2999G	0	0	0	0	2	0	0	1	3
3000-3499G	0	0	0	0	2	0	0	0	2
3500-3999G	0	0	0	0	2	0	0	1	3
4000-4499G	0	0	0	0	1	0	0	0	1
4500-4999G	0	0	0	0	0	0	0	0	0
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	0	1	1	1	35	0	1	4	43

NOTE: TWO UNDER 500G, ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

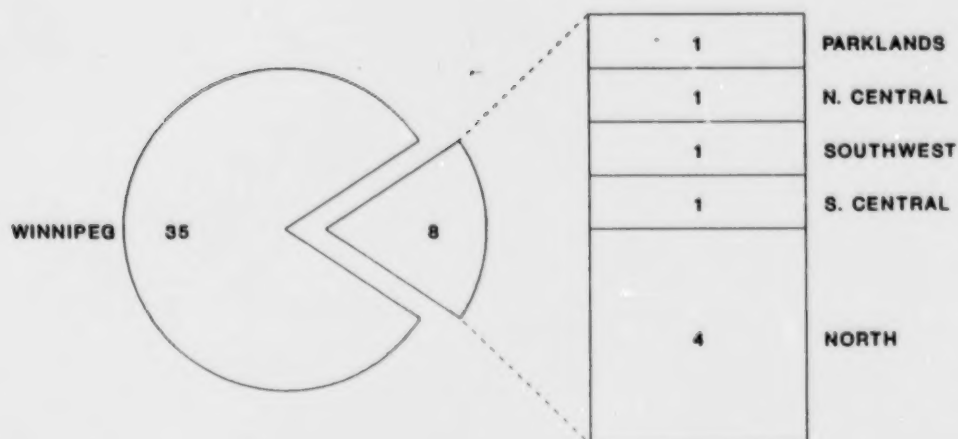
STILLBIRTHS BY
ECONOMIC REGION: 1999
FEMALES

TABLE B2

STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

MALES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	1	1	0	0	17	0	1	1	21
500- 999G	1	1	2	0	9	0	1	2	16
1000-1499G	0	0	0	0	3	0	0	0	3
1500-1999G	0	0	0	0	7	0	0	0	7
2000-2499G	0	1	1	0	3	0	0	0	5
2500-2999G	0	0	1	0	3	0	0	0	4
3000-3499G	0	0	1	0	2	2	0	1	6
3500-3999G	0	0	0	0	4	0	0	0	4
4000-4499G	0	0	0	0	1	0	0	1	2
4500-4999G	0	0	0	0	1	0	0	0	1
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	2	3	5	0	50	2	2	5	69

NOTE: TWO UNDER 500G, ONE 500-900G WINNIPEG STILLBIRTHS NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

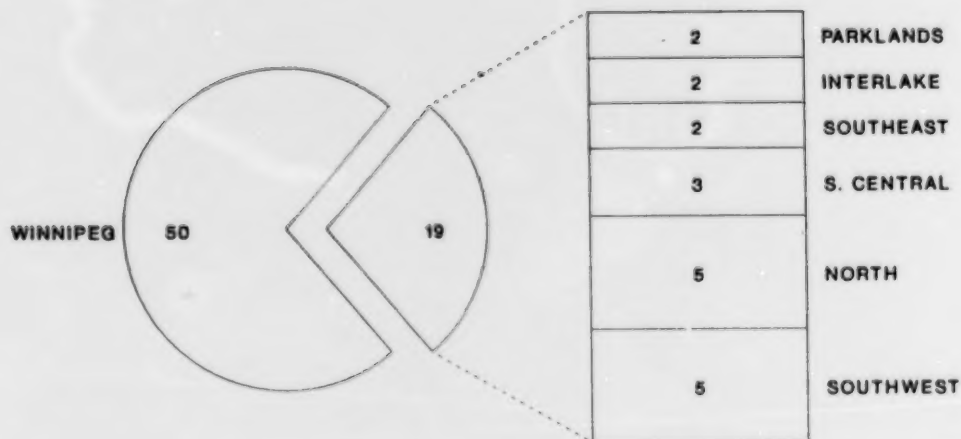
STILLBIRTHS BY
ECONOMIC REGION: 1999
MALES

TABLE B3

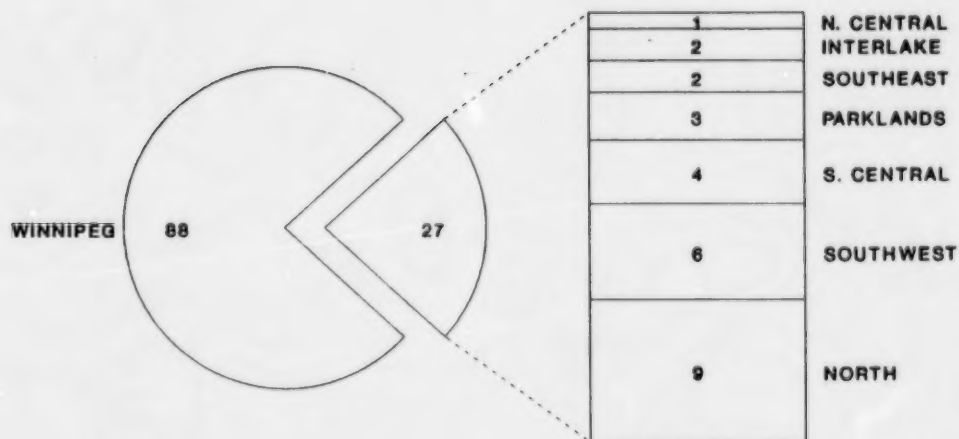
STILLBIRTHS BY WEIGHT AND ECONOMIC REGION: 1999

BOTH SEXES

WEIGHT	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 500G	1	1	0	0	35	0	2	1	40
500- 999G	1	2	3	0	18	0	1	2	27
1000-1499G	0	0	0	1	4	0	0	2	7
1500-1999G	0	0	0	0	8	0	0	0	8
2000-2499G	0	1	1	0	5	0	0	0	7
2500-2999G	0	0	1	0	5	0	0	1	7
3000-3499G	0	0	1	0	4	2	0	1	8
3500-3999G	0	0	0	0	6	0	0	1	7
4000-4499G	0	0	0	0	2	0	0	1	3
4500-4999G	0	0	0	0	1	0	0	0	1
5000-5499G	0	0	0	0	0	0	0	0	0
5500-5999G	0	0	0	0	0	0	0	0	0
6000G OR MORE	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	0	0
TOTAL	2	4	6	1	88	2	3	9	115

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

STILLBIRTHS BY
ECONOMIC REGION: 1999
BOTH SEXES

APPENDIX C

DEATHS BY AGE GROUP AND ECONOMIC REGION

TABLE C1

DEATHS BY AGE GROUP AND ECONOMIC REGION: 1999

FEMALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	1	0	1	2	35	1	1	5	46
1-4	0	0	0	0	2	1	0	4	7
5-9	0	0	1	0	4	0	0	1	6
10-14	0	0	0	0	3	1	0	2	6
15-19	0	2	0	2	10	2	1	3	20
20-24	1	0	0	0	12	0	1	6	20
25-29	0	0	1	0	13	1	0	6	21
30-34	0	0	1	0	17	0	0	3	21
35-39	3	1	2	1	29	2	2	5	45
40-44	1	1	4	0	44	5	0	4	59
45-49	4	2	7	3	47	3	5	2	73
50-54	6	7	8	3	93	6	5	9	137
55-59	10	3	14	6	87	6	6	4	136
60-64	7	5	17	6	118	10	11	5	179
65-69	16	10	23	10	164	22	17	8	270
70-74	17	26	42	17	265	12	24	10	413
75-79	30	26	94	19	400	43	39	12	663
80-84	36	41	97	27	477	59	43	8	788
85-89	44	41	114	41	494	55	63	18	870
90 AND OVER	44	63	157	39	540	60	59	10	972
TOTAL	220	228	583	176	2,854	289	277	125	4,752

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

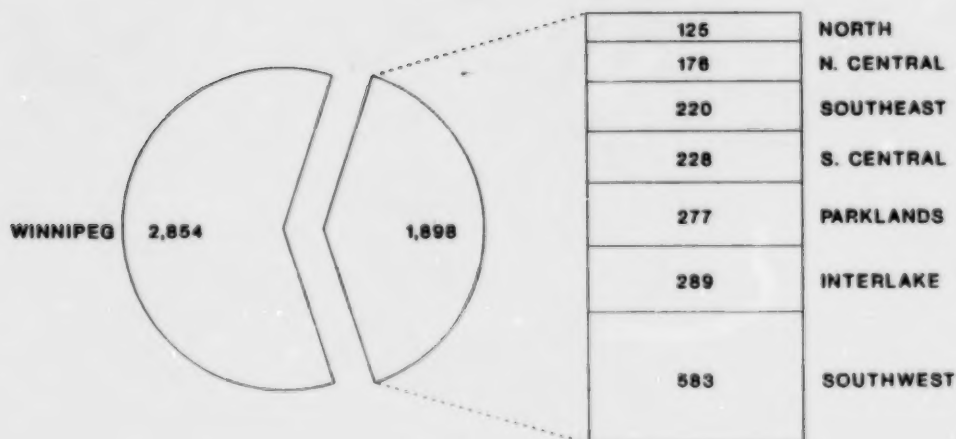
DEATHS BY
ECONOMIC REGION: 1999
FEMALES

TABLE C2

DEATHS BY AGE GROUP AND ECONOMIC REGION: 1999

MALES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	3	1	3	1	57	0	2	4	71
1-4	1	1	0	1	9	1	0	6	19
5-9	0	1	0	2	6	0	0	2	11
10-14	0	0	0	0	5	1	2	1	9
15-19	4	1	3	5	12	2	1	8	36
20-24	1	2	4	0	17	1	2	16	43
25-29	0	1	4	1	24	1	0	6	37
30-34	2	1	3	2	25	1	3	5	42
35-39	4	2	1	1	32	3	2	9	54
40-44	2	1	6	5	62	6	6	7	95
45-49	8	3	6	3	82	8	12	5	127
50-54	6	5	18	7	108	8	6	12	170
55-59	13	6	20	7	130	8	12	17	213
60-64	14	8	30	15	149	23	18	14	271
65-69	27	16	56	20	287	32	26	16	480
70-74	22	27	81	20	377	53	35	20	635
75-79	44	54	84	19	502	47	51	13	814
80-84	38	46	111	20	416	61	45	13	750
85-89	41	35	94	29	385	46	61	11	702
90 AND OVER	23	31	73	19	217	33	43	11	450
TOTAL	253	242	597	177	2,902	335	327	196	5,029

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
MANITOBA BUREAU OF STATISTICS

DEATHS BY
ECONOMIC REGION: 1999
MALES

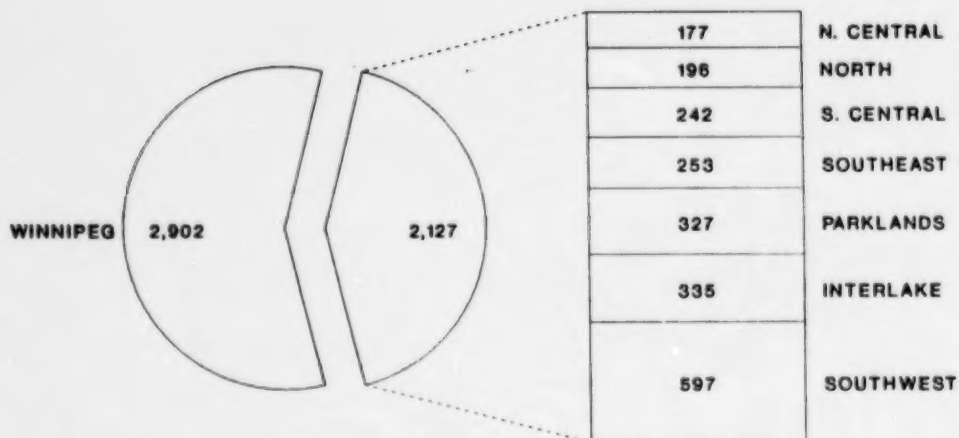


TABLE C3

DEATHS BY AGE GROUP AND ECONOMIC REGION: 1999

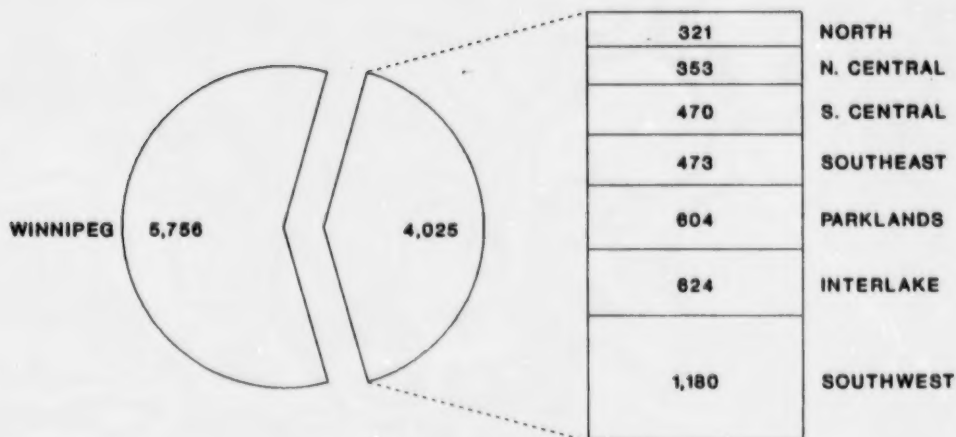
BOTH SEXES

AGE IN YEARS	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1	4	1	4	3	92	1	3	9	117
1-4	1	1	0	1	11	2	0	10	26
5-9	0	1	1	2	10	0	0	3	17
10-14	0	0	0	0	8	2	2	3	15
15-19	4	3	3	7	22	4	2	11	56
20-24	2	2	4	0	29	1	3	22	63
25-29	0	1	5	1	37	2	0	12	58
30-34	2	1	4	2	42	1	3	8	63
35-39	7	3	3	2	61	5	4	14	99
40-44	3	2	10	5	106	11	6	11	154
45-49	12	5	13	6	129	11	17	7	200
50-54	12	12	26	10	201	14	11	21	307
55-59	23	9	34	13	217	14	18	21	349
60-64	21	13	47	21	267	33	29	19	450
65-69	43	26	79	30	451	54	43	24	750
70-74	39	53	123	37	642	65	59	30	1,048
75-79	74	80	178	38	902	90	90	25	1,477
80-84	74	87	208	47	893	120	88	21	1,538
85-89	85	76	208	70	879	101	124	29	1,572
90 AND OVER	67	94	230	58	757	93	102	21	1,422
TOTAL	473	470	1,180	353	5,756	624	604	321	9,781

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

DEATHS BY
ECONOMIC REGION: 1999
BOTH SEXES



APPENDIX D

INFANT DEATHS BY AGE AND ECONOMIC REGION

TABLE D1

INFANT DEATHS BY AGE AND ECONOMIC REGION: 1999

FEMALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	0	0	1	1	23	0	1	1	27
1 - 6 DAYS	0	0	0	0	3	0	0	0	3
7 - 13 DAYS	0	0	0	0	4	0	0	0	4
14 - 27 DAYS	0	0	0	0	1	0	0	1	2
28 - 91 DAYS	0	0	0	0	2	0	0	0	2
92 DAYS - 6 MONTHS	0	0	0	1	1	1	0	1	4
6 MONTHS - 1 YEAR	1	0	0	0	1	0	0	2	4
INFANT	1	0	1	2	35	1	1	5	46
NEONATAL	0	0	1	1	31	0	1	2	36
POST-NEONATAL	1	0	0	1	4	1	0	3	10
STILLBIRTHS	0	1	1	1	35	0	1	4	43
PERINATAL	0	1	2	2	61	0	2	5	73

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

THREE WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

INFANT DEATHS BY
ECONOMIC REGION: 1999
FEMALES

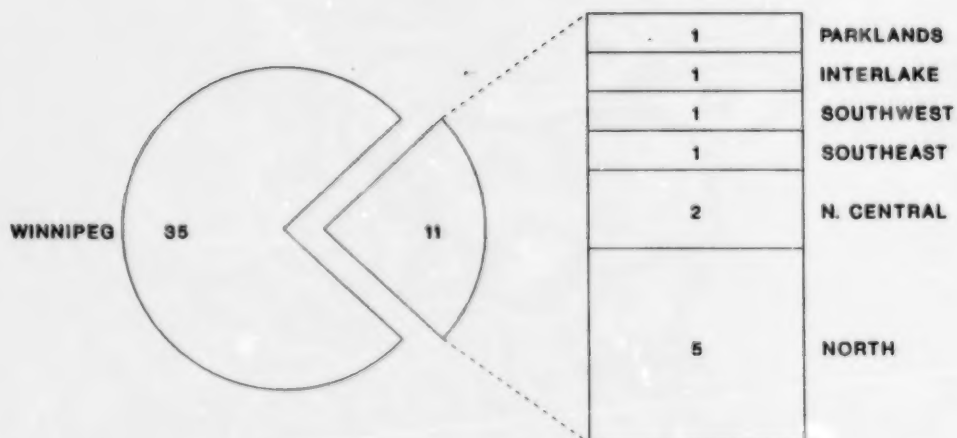


TABLE D2

INFANT DEATHS BY AGE AND ECONOMIC REGION: 1999

MALES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	3	0	2	0	29	0	1	0	35
1 - 6 DAYS	0	0	0	0	8	0	0	0	8
7 - 13 DAYS	0	0	0	0	2	0	0	0	2
14 - 27 DAYS	0	0	0	1	1	0	0	0	2
28 - 91 DAYS	0	0	1	0	9	0	1	0	11
92 DAYS - 6 MONTHS	0	0	0	0	5	0	0	2	7
6 MONTHS - 1 YEAR	0	1	0	0	3	0	0	2	6
INFANT	3	1	3	1	57	0	2	4	71
NEONATAL	3	0	2	1	40	0	1	0	47
POST-NEONATAL	0	1	1	0	17	0	1	4	24
STILLBIRTHS	2	3	5	0	50	2	2	5	69
PERINATAL	5	3	7	0	87	2	3	5	112

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.
 NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.
 POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.
 PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.
 THREE WINNIPEG STILLBIRTH NOT CODED TO SEX.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS
 MANITOBA BUREAU OF STATISTICS

INFANT DEATHS BY
 ECONOMIC REGION: 1999
 MALES

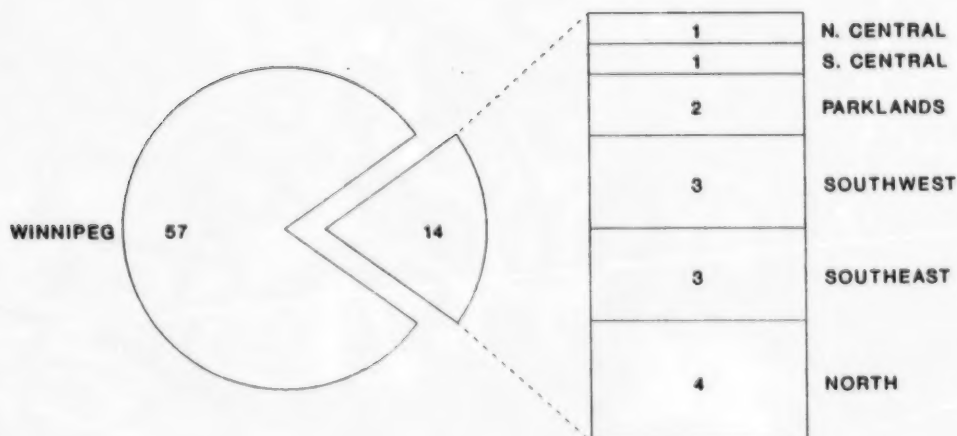


TABLE D3

INFANT DEATHS BY AGE AND ECONOMIC REGION: 1999

BOTH SEXES

AGE	SOUTH EAST	SOUTH CENTRAL	SOUTH WEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
UNDER 1 DAY	3	0	3	1	52	0	2	1	62
1 - 6 DAYS	0	0	0	0	11	0	0	0	11
7 - 13 DAYS	0	0	0	0	6	0	0	0	6
14 - 27 DAYS	0	0	0	1	2	0	0	1	4
28 - 91 DAYS	0	0	1	0	11	0	1	0	13
92 DAYS - 6 MONTHS	0	0	0	1	6	1	0	3	11
6 MONTHS - 1 YEAR	1	1	0	0	4	0	0	4	10
INFANT	4	1	4	3	92	1	3	9	117
NEONATAL	3	0	3	2	71	0	2	2	83
POST-NEONATAL	1	1	1	1	21	1	1	7	34
STILLBIRTHS	2	4	6	1	88	2	3	9	115
PERINATAL	5	4	9	2	151	2	5	10	188

NOTE: INFANT IS A DEATH UNDER 1 YEAR OF AGE.

NEONATAL IS A DEATH UNDER 28 DAYS OF AGE, EXCLUDING STILLBIRTHS.

POST-NEONATAL IS AN INFANT DEATH AT 28 DAYS OF AGE OR OVER.

PERINATAL IS A DEATH AT LESS THAN 7 DAYS OF AGE OR A STILLBIRTH.

DATA SOURCE: VITAL STATISTICS AGENCY, MANITOBA CONSUMER AND CORPORATE AFFAIRS

MANITOBA BUREAU OF STATISTICS

INFANT DEATHS BY
ECONOMIC REGION: 1999
BOTH SEXES

